BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	1
Item Name:	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	For RCC DRAIN									
	1st Main Road South Side(From DKN Road)									
	0.00	30.00	1	30.00	1.10	1.00	33.00			
	30.00	60.00	1	30.00	1.10	1.00	33.00			
	60.00	90.00	1	30.00	1.10	1.00	33.00			
	90.00	120.00	1	30.00	1.10	1.00	33.00			
	120.00	150.00	1	30.00	1.10	1.00	33.00			
	150.00	180.00	1	30.00	1.10	1.00	33.00			
	180.00	210.00	1	30.00	1.10	1.00	33.00			
	210.00	240.00	1	30.00	1.10	1.00	33.00			
	240.00	270.00	1	30.00	1.10	1.00	33.00			
	270.00	296.00	1	26.00	1.10	1.00	28.60			
	6.5m Culvert									
East side	296.00	306.20	1	10.20	1.10	1.00	11.22			
	1st Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	1.10	0.95	31.35			
	30.00	60.00	1	30.00	1.10	0.95	31.35			
	60.00	87.20	1	27.20	1.10	0.95	28.42			
	1st Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	1.10	0.95	31.35			
	30.00	60.00	1	30.00	1.10	0.95	31.35			
	60.00	73.20	1	13.20	1.10	0.95	13.79			
	2nd Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	1.10	0.95	31.35			
	30.00	60.00	1	30.00	1.10	0.95	31.35			
	60.00	90.00	1	30.00	1.10	0.95	31.35			
	90.00	120.00	1	30.00	1.10	0.95	31.35			
	120.00	121.00	1	1.00	1.10	0.95	1.05			

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
2nd Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.95	31.35			
	30.00	60.00	1	30.00	1.10	0.95	31.35			
	60.00	90.00	1	30.00	1.10	0.95	31.35			
	90.00	120.00	1	30.00	1.10	0.95	31.35			
	120.00	121.00	1	1.00	1.10	0.95	1.05			
7th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	1.00	33.00			
	30.00	60.00	1	30.00	1.10	1.00	33.00			
	60.00	90.00	1	30.00	1.10	1.00	33.00			
	90.00	107.50	1	17.50	1.10	1.00	19.25			
7th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	1.00	33.00			
	30.00	60.00	1	30.00	1.10	1.00	33.00			
	60.00	90.00	1	30.00	1.10	1.00	33.00			
	90.00	107.50	1	17.50	1.10	1.00	19.25			
8th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.90	29.70			
	30.00	60.00	1	30.00	1.10	0.90	29.70			
	60.00	72.00	1	12.00	1.10	0.90	11.88			
8th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.90	29.70			
	30.00	60.00	1	30.00	1.10	0.90	29.70			
	60.00	72.00	1	12.00	1.10	0.90	11.88			
For RCC CULVERT										
1st Culvert										
	0.00	6.50	1	6.50	1.50	0.90	8.78			

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:-Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	2
Item Name:	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate

SLNO	CHAINAGE / Land Mark		NO	AREA	D	QTY	unit	Rate	Amount
	a) 40mm Jelly								
	0.00	1.00	1	0.31	0.40	0.12			
	1.00	2.00	1	0.31	0.40	0.12			
	2.00	3.00	1	0.31	0.40	0.12			
	3.00	4.00	1	0.31	0.40	0.12			
	4.00	5.00	1	0.31	0.40	0.12			
					TOTAL=	0.62	Cum	1981.79	1228.71
	b) 20mm Jelly								
	0.00	1.00	1	0.31	0.40	0.12			
	1.00	2.00	1	0.31	0.40	0.12			
	2.00	3.00	1	0.31	0.40	0.12			
	3.00	4.00	1	0.31	0.40	0.12			
	4.00	5.00	1	0.31	0.40	0.12			
					TOTAL=	0.62	Cum	1981.79	1228.71
	c) Coarse sand								
	0.00	1.00	1	0.31	0.30	0.09			
	1.00	2.00	1	0.31	0.30	0.09			
	2.00	3.00	1	0.31	0.30	0.09			
	3.00	4.00	1	0.31	0.30	0.09			
	4.00	5.00	1	0.31	0.30	0.09			
					TOTAL=	0.47	Cum	2763.67	1285.11
	d) Fine sand								
	0.00	1.00	1	0.31	0.20	0.06			
	1.00	2.00	1	0.31	0.20	0.06			
	2.00	3.00	1	0.31	0.20	0.06			
	3.00	4.00	1	0.31	0.20	0.06			

SLNO	CHAINAGE Land Mark		NO	AREA	D	QTY	unit	Rate	Amount
	4.00	5.00	1	0.31	0.20	0.06			
				TOTAL=		0.31	Cum	2763.67	856.74
e) 12.5mm chips									
	0.00	1.00	1	0.31	0.30	0.09			
	1.00	2.00	1	0.31	0.30	0.09			
	2.00	3.00	1	0.31	0.30	0.09			
	3.00	4.00	1	0.31	0.30	0.09			
	4.00	5.00	1	0.31	0.30	0.09			
				TOTAL=		0.47	Cum	1981.79	921.53
						TOTAL AMOUNT=			5520.80

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03 9.10.2020

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9/10/2020

Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	3	
Item Name:	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-995 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to adepth of not less tham 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necesaary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	0.63 dia HDPE Perforated Pipe.									
	0.00	1.00	1	1.80	-	-	1.80			
	1.00	2.00	1	1.80	-	-	1.80			
	2.00	3.00	1	1.80	-	-	1.80			
	3.00	4.00	1	1.80	-	-	1.80			
	4.00	5.00	1	1.80	-	-	1.80			
						TOTAL=	9.00	Rmt	11282.27	101540.43

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03
9.10.2020

09/10/2020
Asst.Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	4								
Item Name:	**Providing of Geonets** for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
SLNO	**CHAINAGE** / **Land Mark**		**NO**	**AREA**	**D**	**QTY**	**unit**	**Rate**	**Amount**
	0.63 dia HDPE Perforated Pipe.								
	0.00	1.00	1	0.31	-	0.31			
	1.00	2.00	1	0.31	-	0.31			
	2.00	3.00	1	0.31	-	0.31			
	3.00	4.00	1	0.31	-	0.31			
	4.00	5.00	1	0.31	-	0.31			
					TOTAL=	**1.55**	**Sqm**	**74.05**	**114.78**

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03
9.10.2020

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Yelahanka Satellite Town Sub Division
9/10/2020

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	5
Item Name:	KSRRB M2100-10. Providing and laying **Plain cement concrete** of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222, I No-27.18)

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
For RCC DRAIN										
1st Main Road South Side(From DKN Road)										
	0.00	30.00	1	30.00	1.10	0.15	4.95			
	30.00	60.00	1	30.00	1.10	0.15	4.95			
	60.00	90.00	1	30.00	1.10	0.15	4.95			
	90.00	120.00	1	30.00	1.10	0.15	4.95			
	120.00	150.00	1	30.00	1.10	0.15	4.95			
	150.00	180.00	1	30.00	1.10	0.15	4.95			
	180.00	210.00	1	30.00	1.10	0.15	4.95			
	210.00	240.00	1	30.00	1.10	0.15	4.95			
	240.00	270.00	1	30.00	1.10	0.15	4.95			
	270.00	290.40	1	20.40	1.10	0.15	3.37			
1st Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.15	4.95			
	30.00	60.00	1	30.00	1.10	0.15	4.95			
	60.00	87.20	1	27.20	1.10	0.15	4.49			
1st Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.15	4.95			
	30.00	60.00	1	30.00	1.10	0.15	4.95			
	60.00	73.20	1	13.20	1.10	0.15	2.18			
2nd Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.15	4.95			
	30.00	60.00	1	30.00	1.10	0.15	4.95			
	60.00	90.00	1	30.00	1.10	0.15	4.95			
	90.00	120.00	1	30.00	1.10	0.15	4.95			
	120.00	121.00	1	1.00	1.10	0.15	0.17			
2nd Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.10	0.15	4.95			

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SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
For RCC CULVERT									
1st Culvert									
	0.00	6.50	1	6.50	1.50	0.25	2.44				
Total Qty Work Done							197.02			
Qty Payable in this bill							200.01			
Qty Considered							197.02	Cum	5652.33	1113624.88

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03
13.10.2020

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Asst.Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	6
Item Name:	Providing and laying plain/reinforced cement concrete for side **drains wall & bottom** thickness 15cm using **M20** nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
For RCC DRAIN Raft										
1st Main Road South Side(From DKN Road)										
	0.00	30.00	1	30.00	1.00	0.15	4.50			
	30.00	60.00	1	30.00	1.00	0.15	4.50			
	60.00	90.00	1	30.00	1.00	0.15	4.50			
	90.00	120.00	1	30.00	1.00	0.15	4.50			
	120.00	150.00	1	30.00	1.00	0.15	4.50			
	150.00	180.00	1	30.00	1.00	0.15	4.50			
	180.00	210.00	1	30.00	1.00	0.15	4.50			
	210.00	240.00	1	30.00	1.00	0.15	4.50			
	240.00	270.00	1	30.00	1.00	0.15	4.50			
	270.00	290.40	1	20.40	1.00	0.15	3.06			
1st Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.15	4.05		C & F.C	
	60.00	87.20	1	27.20	0.90	0.15	3.67			
1st Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	0.15	4.05			
	30.00	60.00	1	30.00	0.90	0.15	4.05			
	60.00	73.20	1	13.20	0.90	0.15	1.78			
2nd Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	1.00	0.15	4.50			
	30.00	60.00	1	30.00	1.00	0.15	4.50			
	60.00	90.00	1	30.00	1.00	0.15	4.50			
	90.00	120.00	1	30.00	1.00	0.15	4.50			
	120.00	121.00	1	1.00	1.00	0.15	0.15			
2nd Cross Road East Side(From 1st Main Road)										

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
For RCC CULVERT Raft										
1st Culvert										
	0.00	6.50	1	6.50	1.20	0.23	1.79			
For RCC CULVERT wall										
1st Culvert										
	0.00	6.50	2	6.50	0.23	0.45	1.35			
For RAIN WATER HARVESTING										
			5	0.31		0.15	-0.23			
Total Qty Work Done							341.97			
Qty Payable in this bill							341.99			
Qty Considered							341.97	Cum	7370.68	2520586.82

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03
15/10/2020

15/10/2020
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No.	7
Item Name	KSRRB - M2300-14: Providing **TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinary complete as per specifications. MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (p.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit	Rate	Amount
For RCC Drain												
1st Main Road South Side(From DKN Road)												
1	8	1	150mm C/C	15	290.40	4259.20	Distribution	0.40	1682.65			
2	10	1	100mm C/C	2904	2.20	6388.80	Main Bar	0.62	3943.70			
1st Cross Road West Side(From 1st Main Road)												
1	8	1	150mm C/C	14	87.20	1249.87	Distribution	0.40	493.77			
2	10	1	100mm C/C	872	2.15	1874.80	Main Bar	0.62	1157.28			
1st Cross Road East Side(From 1st Main Road)												
1	8	1	150mm C/C	14	73.20	1049.20	Distribution	0.40	414.50			
2	10	1	100mm C/C	732	2.15	1573.80	Main Bar	0.62	971.48			
2nd Cross Road West Side(From 1st Main Road)												
1	8	1	150mm C/C	15	121.00	1774.67	Distribution	0.40	701.10			
2	10	1	100mm C/C	1210	2.20	2662.00	Main Bar	0.62	1643.21			
2nd Cross Road East Side(From 1st Main Road)												
1	8	1	150mm C/C	15	121.00	1774.67	Distribution	0.40	701.10			
2	10	1	100mm C/C	1210	2.20	2662.00	Main Bar	0.62	1643.21			
7th Cross Road West Side(From 1st Main Road)												
1	8	1	150mm C/C	15	107.50	1576.67	Distribution	0.40	622.88			
2	10	1	100mm C/C	1075	2.20	2365.00	Main Bar	0.62	1459.88			
7th Cross Road East Side(From 1st Main Road)												
1	8	1	150mm C/C	15	107.50	1576.67	Distribution	0.40	622.88			
2	10	1	100mm C/C	1075	2.20	2365.00	Main Bar	0.62	1459.88			
8th Cross Road West Side(From 1st Main Road)												
1	8	1	150mm C/C	15	72.00	1056.00	Distribution	0.40	417.19			
2	10	1	100mm C/C	720	2.20	1584.00	Main Bar	0.62	977.78			
8th Cross Road East Side(From 1st Main Road)												
1	8	1	150mm C/C	15	72.00	1056.00	Distribution	0.40	417.19			
2	10	1	100mm C/C	720	2.20	1584.00	Main Bar	0.62	977.78			
Total Quantity of Steel in Kg's for RCC Culvert only									20307.5			

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Unit	Rate	Amount
For RCC CULVERT												
1st Culvert												
1	10	2	150mm C/C	15	6.50	199.33	Distribution	0.62	123.05			
2	12	2	125mm C/C	52	2.30	239.20	Main Bar	0.89	212.62			
Total Quantity of Steel in Kg's for RCC Culvert only									335.7			
Total Quantity of Steel in Kg's									20643.1	kgs		
Total Quantity of Steel in Tonne's									20.64	Tonnes		
Qty Payable in this bill									20.65	Tonnes		
Qty Considered									20.64	Tonnes	77436.91	1592346.69

Contractor

Assistant Engineer
Ward No-03

15/10/2020

For KEC CONSTRUCTION & CONSULTANCY
BENGALURU

Project Management Consultants

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Yelahanka Satellite Town Sub Division

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

Detailed Measurements

Item No:	Description of item	NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I No-19.1)								
					Present Qty	1147.95	Cum	229.77	263765.10
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering. including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate								
					Present Qty		Cum		5520.80
3	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per								
					Present Qty	9.00	Cum	11282.27	101540.43
4	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
					Present Qty	1.55	Sqm	74.05	114.78
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labours, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222, I No-27.18)								
					Present Qty	197.02	Cum	5652.33	1113624.80
6	Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including								
					Present Qty	341.97	Cum	7370.68	2520586.82
7	KSRRB - M2300-14. Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinary complete as per specifications. MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (p.No.239, I No.29.29.2 of								
					Present Qty	20.64	Tonnes	77136.91	1592346.69

Contractor

Assistant Engineer
Ward No-03

11.11.2020

Project Management Consultants

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Asst Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	8
Item Name:	Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost of all materials (data Rate enclosed)

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	For RCC DRAIN									
	1st Main Road South Side(From DKN Road)									
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	90.00	1	30.00	0.90	-	27.00			
	90.00	120.00	1	30.00	0.90	-	27.00			
	120.00	150.00	1	30.00	0.90	-	27.00			
	150.00	180.00	1	30.00	0.90	-	27.00			
	180.00	210.00	1	30.00	0.90	-	27.00			
	210.00	240.00	1	30.00	0.90	-	27.00			
	240.00	270.00	1	30.00	0.90	-	27.00			
	270.00	290.40	1	20.40	0.90	-	18.36			
	1st Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	87.20	1	27.20	0.90	-	24.48			
	1st Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	73.20	1	13.20	0.90	-	11.88			
	2nd Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	90.00	1	30.00	0.90	-	27.00			
	90.00	120.00	1	30.00	0.90	-	27.00			
	120.00	121.00	1	1.00	0.90	-	0.90			
	2nd Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	0.90	-	27.00			

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	90.00	1	30.00	0.90	-	27.00			
	90.00	120.00	1	30.00	0.90	-	27.00			
	120.00	121.00	1	1.00	0.90	-	0.90			
7th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	90.00	1	30.00	0.90	-	27.00			
	90.00	107.50	1	17.50	0.90	-	15.75			
7th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	90.00	1	30.00	0.90	-	27.00			
	90.00	107.50	1	17.50	0.90	-	15.75		C.C.F.C	
8th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	72.00	1	12.00	0.90	-	10.80			
8th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	0.90	-	27.00			
	30.00	60.00	1	30.00	0.90	-	27.00			
	60.00	72 00	1	12.00	0.90	-	10.80			
Deduction of Old BS Slabs			50	0.60	0.90	-	-27.00			
Missing Slabs										
Near Sambhram College Amba Bhavanimain road			45	0.60	0.90	-	24.30			

SLNO	CHAINAGE Land Mark	NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	Sai Nagar Phase 1 @ Ambabhavani Main Road	25	0.60	0.90	-	13.50			
	Munishamappa Layout	10	0.60	0.90	-	5.40			
	Total Qty Work Done					962.82			
	Qty Payable in this bill					964.80			
	Qty Considered					962.82	Sqm	2436.32	2345737.62

CGRC

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03

12.11.2020

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Asst.Executive Engineer
Yelahanka Satellite Town Sub Division

12/11/2020

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	9	
Item Name:	Providing and laying Pre Cast Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)	

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
For RCC CULVERT									
1st Culvert									
	0.00	6.80	1	6.80	1.20	-	8.16		
						Total Qty Work Done	8.16		
						Qty Payable in this bill	9.00		
						Qty Considered	8.16	Sqm	5648.27	46089.88

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03 12.11.2020

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Asst.Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	10	
Item Name:	Providing and fixing pre cast solid concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (I No-5.30, P Np-27)	

SLNO	CHAINAGE / Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	For RCC DRAIN									
	1st Main Road South Side(From DKN Road)									
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	90.00	1	30.00	-	-	30.00			
	90.00	120.00	1	30.00	-	-	30.00			
	120.00	150.00	1	30.00	-	-	30.00			
	150.00	180.00	1	30.00	-	-	30.00			
	180.00	210.00	1	30.00	-	-	30.00			
	210.00	240.00	1	30.00	-	-	30.00			
	240.00	270.00	1	30.00	-	-	30.00			
	270.00	290.40	1	20.40	-	-	20.40			
	1st Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	87.20	1	27.20	-	-	27.20			
	1st Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	73.20	1	13.20	-	-	13.20			
	2nd Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	90.00	1	30.00	-	-	30.00			
	90.00	120.00	1	30.00	-	-	30.00			
	120.00	121.00	1	1.00	-	-	1.00			
	2nd Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	90.00	1	30.00	-	-	30.00			

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	90.00	120.00	1	30.00	-	-	30.00			
	120.00	121.00	1	1.00	-	-	1.00			
7th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	90.00	1	30.00	-	-	30.00			
	90.00	107.50	1	17.50	-	-	17.50			
7th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	90.00	1	30.00	-	-	30.00			
	90.00	107.50	1	17.50	-	-	17.50			
8th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	72.00	1	12.00	-	-	12.00			
8th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	-	30.00			
	30.00	60.00	1	30.00	-	-	30.00			
	60.00	72.00	1	12.00	-	-	12.00			

CC PC

SLNO	CHAINAGE / Land Mark	NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
Deduction due to Trees, Poles & Shoulders									
	0.00 5.00	1	5.00	-	-	-5.00			
					Total Length	1046.80			
Missing Kerbs					Total	2326.00			
	At Ambabhavani Main Road near Sambhram	1	54.00	-	-	54.00			
					Total Qty Work Done	2380.00			
					Qty Payable in this bill	2382.00			
					Qty Considered	2380.00	No.s	450.86	1073046.80

Contractor

Project Management Consultants

Assistant Engineer
Ward No-03
13.11.2020

Asst Executive Engineer
Yelahanka Satellite Town Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Date of Measurement:-

First & Final Bill

Name of Work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Item No:	11
Item Name:	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. .(I No-24.1,P No-180)

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
	For Kerbs									
	1st Main Road South Side(From DKN Road)									
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	90.00	1	30.00	-	0.35	10.50			
	90.00	120.00	1	30.00	-	0.35	10.50			
	120.00	150.00	1	30.00	-	0.35	10.50			
	150.00	180.00	1	30.00	-	0.35	10.50			
	180.00	210.00	1	30.00	-	0.35	10.50			
	210.00	240.00	1	30.00	-	0.35	10.50			
	240.00	270.00	1	30.00	-	0.35	10.50			
	270.00	290.40	1	20.40	-	0.35	7.14			
	1st Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	87.20	1	27.20	-	0.35	9.52			
	1st Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	73.20	1	13.20	-	0.35	4.62			
	2nd Cross Road West Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	90.00	1	30.00	-	0.35	10.50			
	90.00	120.00	1	30.00	-	0.35	10.50			
	120.00	121.00	1	1.00	-	0.35	0.35			
	2nd Cross Road East Side(From 1st Main Road)									
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	90.00	1	30.00	-	0.35	10.50			
	90.00	120.00	1	30.00	-	0.35	10.50			
	120.00	121.00	1	1.00	-	0.35	0.35			

C&FC

SLNO	CHAINAGE Land Mark		NO	L (m)	B (m)	D (m)	QTY	unit	Rate	Amount
7th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	90.00	1	30.00	-	0.35	10.50			
	90.00	107.50	1	17.50	-	0.35	6.13			
7th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	90.00	1	30.00	-	0.35	10.50			
	90.00	107.50	1	17.50	-	0.35	6.13			
8th Cross Road West Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	72.00	1	12.00	-	0.35	4.20			
8th Cross Road East Side(From 1st Main Road)										
	0.00	30.00	1	30.00	-	0.35	10.50			
	30.00	60.00	1	30.00	-	0.35	10.50			
	60.00	72.00	1	12.00	-	0.35	4.20			
Missing Kerbs										
At Ambabhavani Main Road near Sambhram College			1	54.00	0.45	0.35	8.51			
Deduction due to Trees, Poles & Shoulders										
	0.00	5.00	1	5.00	-	0.35	-1.75			
							Total Qty Work Done			
							Qty Payable in this bill			
							Qty Considered	Sqm	88.40	33139.83
									Sub Total	9095513.70
									GST 12%	1091462.00
									GRAND TOTAL	10186975.70

C&RC

Contractor

Project Management Consultants

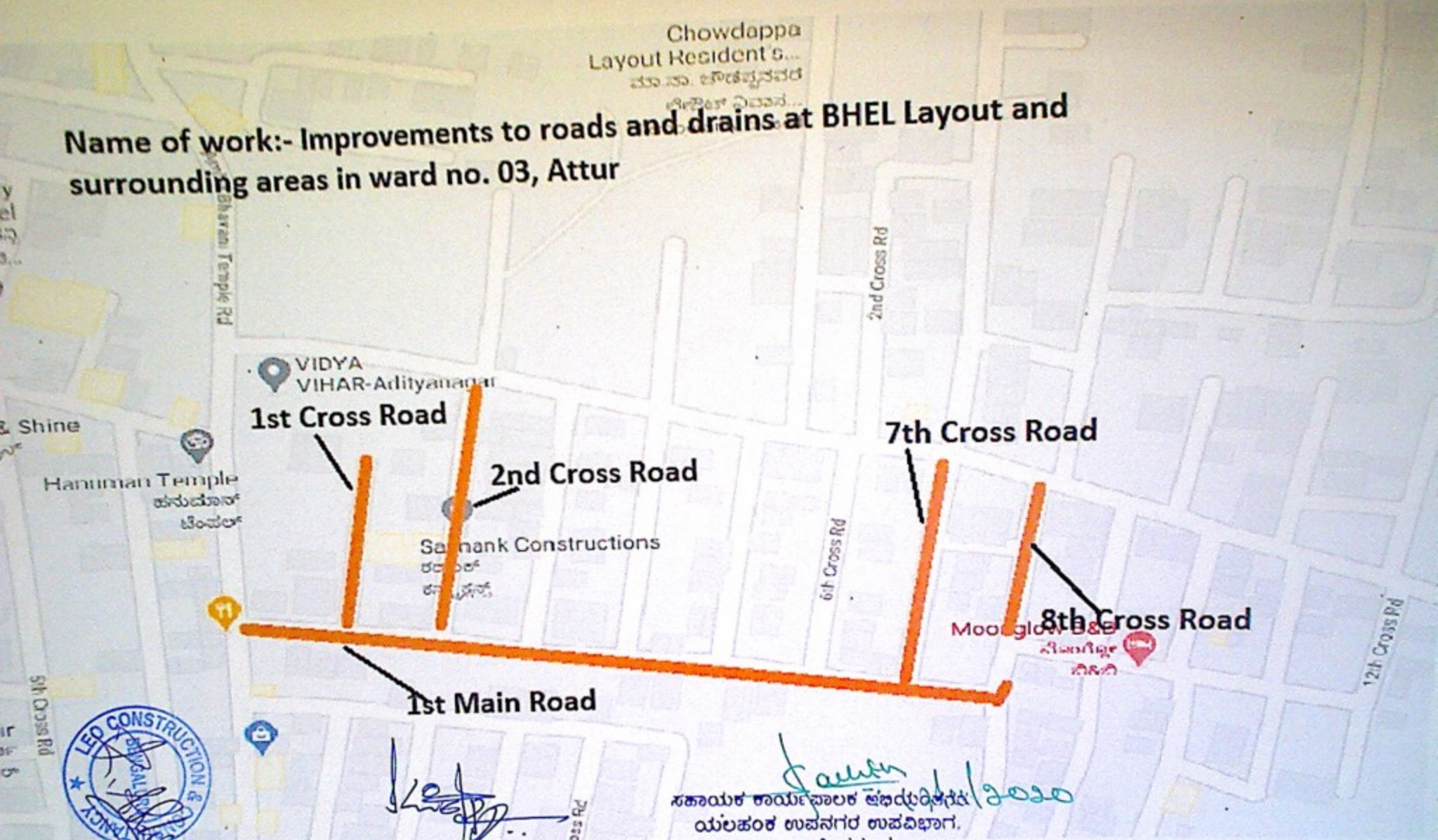
Assistant Engineer
Ward No.03

17.11.2020

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

Name of work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur

Name of work:- Improvements to roads and drains at BHEL Layout and surrounding areas in ward no. 03, Attur



LEO CONSTRUCTION & ENGINEERING AGENCY

17.11.2020

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